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MONTANA OIL AND GAS STATISTICAL BULLETIN

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MONTANA SCHOOL OF MINES

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2300 PEARL
MILES CITY, MONTANA

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 4 McKEE PRINT APRIL, 1964

Production of crude oil and condensate from the oil and gas areas of Montana for the month of April, 1964, averaged 84,621 barrels daily, a decrease of 1,708 barrels from the average March production of 86,329.

The nine refineries in state processed 80,889 barrels of crude oil daily for the month of April, 1964, a decrease of 6,611 barrels from the 87,500 barrels processed daily during the month of March, 1964.

During April, 16 wells were completed, 6 oil, 0 gas well and 10 dry holes.

During April, the commission issued 37 permits to drill new wells, an increase of 14 from 23 permits issued during March.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA

MONTH OF APRIL, 1964

IN STORAGE APRIL 1st:	
By Producers	365,053
By Transporters	1,049,139
By Refiners	688,993
TOTAL STORAGE	2,103,185
Produced in Montana During Month	2,538,637
Imported During Month	1,555,070
TOTALS	6,196,892
DISPOSITION	
Refined in Montan	2,426,683
Exported	1,457,056
Used for Fuel or Lost	6,048
TOTAL	3,889,787
IN STORAGE APRIL 30th:	
By Producers	353,506
By Transporters	1,078,002
By Refiners	875,597
TOTAL STORAGE	2,307,105

NATURAL GAS WITHDRAWALS IN MONTANA

Month of April, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	80,030
Bowdoin	135,012
Bowes	74,715
Cabin Creek	106,986
Cedar Creek	178,458
Cut Bank (including Reagan)	722,596
Devon	0
Dry Creek	84,067
Elk Basin	26,859
Flat Coulee	4,527
Gold Butte	0
Golden Dome	10,591
Grandview	0
Hardin	3,984
Keith Block	304,774
Kevin Sunburst	52,042
Middle Butte	3,168
Mount Lili	16,639
Pine	58,752
Plevna	14,406
Utopia	112,330
Whitlash	162,723
Miscellaneous	25,432
TOTAL	2,178,091

Total Withdrawals for April, 1963 were 2,117,289 M Cu. Ft.

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PRODUCERS REPORT—MONTH OF APRIL, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	640	2,008	.....	2,259	.....	389
4	Banntyne	8	1,333	1,020	.....	1,394	.....	959
1	Bascom	1	306	245	352	.....	.....	199
4	Bear's Den	4	1,559	2,925	.....	2,865	.....	1,619
1	Belfry	1	378	332	.....	479	.....	231
1	Benrud	1	356	567	457	.....	.....	466
1	Benrud East	1	707	15,106	15,144	.....	.....	669
8	Big Wall	30	2,359	18,579	18,210	145	.....	2,583
7	Blackfoot	12	3,036	6,628	4,261	3,318	.....	2,085
1	Border	1	77	80	.....	.....	.....	157
1	Bowes	72	6,660	9,746	9,400	.....	.....	7,006
3	Bradley	3	1,618	1,215	1,180	.....	.....	1,653
2	Brady	7	.....	1,154	1,154	.....	.....	.....
1	Bredette North	1	479	172	.....	.....	.....	651
2	Cabin Creek	111	7,994	259,297	260,234	.....	.....	7,057
14	Cat Creek	91	3,635	19,906	21,068	.....	.....	2,473
1	Clark's Fork	1	243	125	.....	182	.....	186
1	Clark's Fork North	1	1,753	92	.....	92	.....	1,753
2	Conrad South	4	512	381	402	.....	.....	491
1	Cupton	1	1,798	611	.....	1,684	.....	725
160	Cut Bank	1,108	116,995	152,695	158,977	.....	69	110,644
3	Deer Creek	6	1,909	4,596	4,837	.....	.....	1,668
2	Delphia	2	410	766	.....	784	.....	392
1	Devil's Basin	1	1,194	287	252	.....	.....	1,229
4	Dry Creek	5	1,195	774	956	.....	.....	1,013
20	Dwyer	21	12,400	46,532	50,501	.....	12	8,419
8	Elk Basin	60	3,054	286,802	286,191	.....	.....	3,665
1	Elk Basin Northwest	1	1,725	822	.....	968	.....	1,579
1	Fertile Prairie	1	593	1,230	1,122	.....	.....	701
5	Flat Coulee	22	4,516	36,595	37,215	.....	.....	3,896
2	Frannie	2	.....	1,501	1,501	.....	.....	.....
13	Fred & George Creek	18	1,752	93,955	93,004	.....	.....	2,703
1	Gage	1	318	275	275	.....	.....	318
4	Gas City	28	5,420	73,279	69,925	2,803	.....	5,971
6	Glendive	11	1,456	32,317	15,033	17,620	.....	1,120
8	Goose Lake	9	4,035	28,474	.....	29,689	.....	2,820
7	Graben Coulee	16	4,336	6,165	6,525	.....	.....	3,976
5	Gypsy Basin	7	3,929	2,615	2,915	.....	15	3,614
1	Hibbard	1	147	667	.....	591	.....	223
9	Ivanhoe	12	3,944	27,901	28,428	.....	63	3,354
6	Keg Coulee	17	3,598	28,911	28,239	.....	20	4,250
145	Kevin Sunburst	868	16,564	43,077	44,118	.....	.....	15,523
2	Little Beaver	24	3,393	26,160	26,334	320	.....	2,899
3	Little Beaver East	19	3,270	25,945	26,107	.....	.....	3,108
2	Lone Tree	3	1,036	5,431	.....	5,429	.....	1,038
25	Lookout Butte	69	5,000	139,111	140,023	.....	.....	4,088
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Melstone	5	667	3,137	2,840	.....	.....	964
5	Monarch	14	3,414	15,271	14,452	.....	.....	4,233
4	Mosser	4	.....	776	.....	776	.....	.....
....	Musselshell	....	305	.....	.....	.....	.....	305
7	Outlook	11	7,506	33,425	31,850	.....	.....	9,081
2	Outlook South	2	1,809	3,137	3,268	.....	.....	1,678
57	Pennel	102	6,452	224,117	226,144	.....	605	3,820
4	Pine	133	13,134	327,858	326,905	774	.....	13,313
3	Pole Creek	5	.....	4,806	.....	3,044	.....	1,762
76	Pondera	327	9,666	34,029	34,424	.....	.....	9,271
1	Pondera Coulee	1	.....	187	187	.....	.....	.....
5	Poplar East	84	13,846	117,970	106,837	.....	20	24,959
4	Poplar Northwest	5	2,683	1,781	2,949	.....	.....	1.515
6	Ragged Point	18	2,852	6,871	7,139	.....	.....	2.584
3	Reagan	43	3,412	18,809	19,137	.....	.....	3,084
11	Red Creek	20	3,816	39,339	39,556	.....	.....	3,599
1	Redstone	1	255	941	755	.....	.....	441
1	Repeat	1	301	1,111	.....	1,264	.....	148
5	Richey	9	5,464	3,436	6,811	.....	.....	2,089
6	Richey Southwest	7	3,249	19,482	.....	18,880	.....	3,851
5	Sand Creek	5	3,896	7,553	9,252	.....	.....	2,197
7	Sidney-Brorson	7	4,546	4,489	1,321	3,944	.....	3,770
1	Snyder	3	1,522	401	.....	191	32	1,700
5	Soap Creek	13	4,528	5,052	5,194	.....	.....	4,386
1	Spring Lake	2	1,303	9,354	.....	9,126	.....	1,531
2	Stensvad	24	4,960	34,623	33,998	.....	.....	5,585
26	Sumatra	94	11,952	121,291	121,223	.....	804	11,216
6	Tule Creek	7	2,058	49,957	48,961	.....	.....	3,054
2	Vida	2	978	5,138	.....	5,182	.....	934
11	Whitlash	31	6,050	9,867	8,675	1,617	.....	5,625
2	Whitlash West	2	140	427	.....	427	.....	140
1	Wills Creek South	1	813	8,887	8,757	.....	.....	943
9	Wolf Springs	16	3,984	10,147	10,252	.....	.....	3,879
4	Woodrow	6	583	6,345	5,993	.....	.....	935
1	Wildcat, Liberty Cty	1	192	166	.....	153	.....	205
1	Wildcat, Roosevelt Cty	1	315	1,385	.....	1,324	.....	376
788		3,694	365,053	2,538,637	2,431,220	117,324	1,640	353,506

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
January, 1964	2,559,051	82,550	2,568,624	82,858
February, 1964	2,445,494	84,672	2,435,822	83,993
March, 1964	2,676,212	86,329	2,656,555	85,695
April, 1964	2,538,637	84,621	2,548,544	84,951

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
January, 1964	328,990	909,208	663,606	1,091,804
February, 1964	347,814	988,120	758,578	2,094,512
March, 1964	365,053	1,049,139	688,993	2,103,185
April, 1964	353,506	1,078,002	875,597	2,307,105

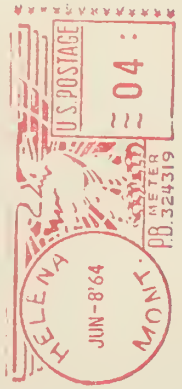
*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF APRIL, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,259				2,259		
BANNATYNE—Truck			1,394					1,394	
BEAR'S DEN—Truck			2,865					2,865	
BELFRY—Truck			479				479		
BIG WALL—McWood Corp.			145			145			
Glacier Pipeline Co.		18,637				18,637			
		18,637	145			18,782			
BLACKFOOT—Union Oil Co.		4,261				4,261			
Camerland Cardinal Corp.			3,318					3,318	
		4,261	3,318			4,261		3,318	
BOWES—Texaco, Inc.		9,401				9,401			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	326,287	724,192	48,527	622,730			1,410,315		311,421
Shell Pipeline Corp.	5,786	374,026			645			371,073	8,094
	332,073	1,098,218	48,527	622,730	645		1,410,315	371,073	319,515
CAT CREEK									
Glacier Pipeline Co.		19,483				19,483			
CLARK'S FORK—Truck			274				274		
CUT BANK									
Darling Gathering System, Inc.	1,829	6,280						6,189	1,920
Glacier Pipeline Co.				123,708				123,708	
Phillips Petroleum Co.	27,184	50,796		29,142	773	38,630			67,719
Texas Pipeline Co.	24,032	31,064		16,596	43			49,278	22,371
Teton Pipeline Corp.	48,243	29,868		60,169	288			86,608	51,404
Union Oil Co.	98,108	66,820		28,263	57	91,182			101,952
	199,396	184,848		257,878	1,161	129,812		265,783	245,366
DELPHIA—Truck			784			784			
DRY CREEK—									
Marathon Pipeline Co.	8,711	956			16				9,651
DWYER—Hunt Petroleum Corp.		49,200					49,200		
ELK BASIN—Marathon Pipeline Co.		285,337				285,337			
ELK BASIN NORTHWEST—Truck			968				968		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	36,974				11,203		25,771	3,000
FRANNIE—Marathon Pipeline Co.		1,501					1,501		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	16,082	89,941						91,113	14,910
GAGE—Glacier Pipeline Co.		275				275			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,760	52,735			(99)			53,777	5,817
GOOSE LAKE—Truck			29,689				29,689		
HIBBARD—Truck			591			591			
IVANHOE—Glacier Pipeline Co.		28,726				28,726			
KEG COULEE—									
Glacier Pipeline Co.		20,961				20,961			
KEVIN SUNBURST—									
Big West Oil Co.	4,152	38,227				38,415			3,964
Homestake Oil & Gas Co.	325	1,841		6,188		6,605			1,749
Texas Pipeline Co.	7,358	16,754			34			16,596	7,482
	11,835	56,822		6,188	34	45,020		16,596	13,195
LONE TREE—Truck			5,429				5,429		
MELSTONE—									
Glacier Pipeline Co.		2,695				2,695			
MOSSER—Truck			776				776		
PONDERA—Phillips Petr. Co.	13,896	36,400			161	19,911			30,224
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	16,527	224,915			616			197,880†	42,946
POLE CREEK—Truck			3,044				3,044		
RAGGED POINT—									
Glacier Pipeline Co.		5,787				4,306	1,481		
RED CREEK—Teton Pipeline Co.		43,925			439			43,486	
SIDNEY-BRORSON									
McWood Corp.	2,248		3,944	1,764	(744)				8,700
SNYDER—McWood Corp.			191			191			
SOAP CREEK—McWood Corp.	7,787	5,193		1,511		13,869			622
SPRING LAKE—Truck			9,126				9,126		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	430,824	154,211		525,174	387	566,955	158,811		384,056
WHITLASH—Truck			2,044			2,044			
Camerland-Cardinal Corp.		8,675				8,675			
		8,675	2,044			10,719			
WOLF SPRINGS—									
Glacier Pipeline Co.		10,256				10,256			
WILDCAT WELLS—			1,477				1,477		
TOTALS	1,049,139	2,450,333	117,324	1,415,245	2,616	1,203,538	1,674,829	1,073,056	1,078,002

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, SW and Wills Creek, South.

†Transferred to Butte Pipeline Company.



Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF APRIL, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	North Star Refining Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	18,782	.....	.....	.....	.....	.....	18,782
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	4,261	4,261
Bowes	.....	.....	5,512	.....	.....	.....	.....	.....	.....	5,512
Cat Creek	.....	17,246	.....	1,694	.....	543	.....	.....	.....	19,483
Cut Bank	.....	.....	.....	.....	.....	.....	2,732	42,653	77,755	123,140
Delphia	.....	.....	.....	.....	.....	389	.....	.....	.....	389
Dry Creek	.....	.....	.....	262	.....	.....	.....	.....	.....	262
Elk Basin	.....	116,772	.....	75,987	91,622	.....	.....	.....	.....	284,381
Flat Coulee	.....	25,771	.....	.....	.....	.....	.....	.....	.....	25,771
Fred & George Creek	3,641	87,472	.....	.....	.....	.....	.....	.....	.....	91,113
Hibbard	.....	.....	.....	.....	.....	280	.....	.....	.....	280
Ivanhoe	.....	.....	.....	.....	28,224	.....	.....	.....	.....	28,224
Keg Coulee	.....	.....	.....	20,961	.....	.....	.....	.....	.....	20,961
Kevin Sunburst	40,015	.....	.....	.....	.....	.....	.....	.....	.....	40,015
Melstone	.....	.....	.....	2,695	.....	.....	.....	.....	.....	2,695
Pondera	.....	.....	.....	.....	.....	.....	.....	17,909	.....	17,909
Ragged Point	.....	3,467	.....	839	.....	.....	.....	.....	.....	4,306
Red Creek	.....	.....	.....	.....	43,486	.....	.....	.....	.....	43,486
Soap Creek	.....	13,869	.....	.....	.....	.....	.....	.....	.....	13,869
Sumatra & Stensvad	.....	429	.....	118,619	.....	.....	.....	.....	.....	119,048
Wolf Springs	.....	.....	.....	.....	7,726	.....	.....	.....	.....	7,726
Total Montana Oil	43,656	265,026	5,512	239,839	171,058	1,212	2,732	60,562	82,016	871,613
Canadian Oil Imported	.....	274,038	.....	.....	36,165	.....	.....	.....	2,287	312,490
Wyoming Oil Imported	.....	203,712	.....	261,734	775,799	1,335	.....	.....	.....	1,242,580
Total Montana, Canadian & Wyoming Oil	43,656	742,776	5,512	501,573	983,022	2,547	2,732	60,562	84,303	2,426,683

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
April, 1963	25,596	4,902	16,282	46,780
April, 1964	29,053	10,417	41,419	80,889

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1963	41.99%	5.53%	52.48%
April, 1963	54.71%	10.49%	34.80%
April, 1964	35.91%	12.89%	51.20%